

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	"4041203".pn.	USPAT	AND	ON	2010/07/08 10:11
L2	1	"5169706".pn.	USPAT	AND	ON	2010/07/08 10:11
L3	1	"5145727".pn.	USPAT	AND	ON	2010/07/08 10:11
L4	1	"5178931".pn.	USPAT	AND	ON	2010/07/08 10:11
L5	1	"5188885".pn.	USPAT	AND	ON	2010/07/08 10:11
L6	5	L1 or L2 or L3 or L4 or L5	USPAT	AND	ON	2010/07/08 10:11
L7	1	(non-ionic or (non adj ionic)) adj fluoroalkyl adj acrylate	USPAT	AND	ON	2010/07/08 10:11
L8	16	(hue same snowden).in.	US-PGPUB; USPAT	AND	ON	2010/07/08 10:11
L9	204	(michael same powers).in.	US-PGPUB; USPAT	AND	ON	2010/07/08 10:11
L10	27	(phillip same schorr).in.	US-PGPUB; USPAT	AND	ON	2010/07/08 10:11
L11	235	L8 or L9 or L10	US-PGPUB; USPAT	AND	ON	2010/07/08 10:11
L12	4	(non-ionic or (non adj ionic)) adj fluoroalkyl adj acrylate	US-PGPUB; USPAT	AND	ON	2010/07/08 10:11
L13	10	(fluoroalkyl adj acrylate) with ion\$3	US-PGPUB; USPAT	AND	ON	2010/07/08 10:11
L14	976	UNIDYNE	US-PGPUB; USPAT	AND	ON	2010/07/08 10:11
L15	0	UNIDYNEsame KC-O2	US-PGPUB; USPAT	AND	ON	2010/07/08 10:11

L16	0	UNIDYNE same KC-O2	US-PGPUB; USPAT	AND	ON	2010/07/08 10:11
L17	0	UNIDYNE same KC-02	US-PGPUB; USPAT	AND	ON	2010/07/08 10:11
L18	111	UNIDYNE adj TG	US-PGPUB; USPAT	AND	ON	2010/07/08 10:11
L19	0	UNIDYNE with S-1072	US-PGPUB; USPAT	AND	ON	2010/07/08 10:11
L20	0	(fluoroalkylacrylate) with ion\$3	US-PGPUB; USPAT	AND	ON	2010/07/08 10:11
L21	0	(fluoroalkyl-acrylate) with ion\$3	US-PGPUB; USPAT	AND	ON	2010/07/08 10:11
L22	10	(fluoroalkyl adj acrylate) with ion\$3	US-PGPUB; USPAT	AND	ON	2010/07/08 10:11
L23	5	(pfaa) with ion\$3	US-PGPUB; USPAT	AND	ON	2010/07/08 10:11
L24	241	(fluoroalkyl adj acrylate) and ion\$3	US-PGPUB; USPAT	AND	ON	2010/07/08 10:11
L25	13	(fluoroalkyl adj acrylate) same ion\$3	US-PGPUB; USPAT	AND	ON	2010/07/08 10:12
L26	44231	non adj ionic	USPAT	AND	ON	2010/07/08 10:12
L27	5543	(non adj ionic) with polymer	USPAT	AND	ON	2010/07/08 10:12
L28	2004	(non adj ionic) near2 polymer	USPAT	AND	ON	2010/07/08 10:12
L29	151	scotchguard	USPAT	AND	ON	2010/07/08 10:12
L30	25	scotchguard and ((non adj ionic) or ion\$3)	USPAT	AND	ON	2010/07/08 10:12
L31	0	(fluoro adj alkyl adj acrylate) same ion\$3	US-PGPUB; USPAT	AND	ON	2010/07/08 10:12
L32	28	(fluoro adj alkyl adj acrylate)	US-PGPUB; USPAT	AND	ON	2010/07/08 10:12

L33	22	(fluoro adj alkyl adj acrylate) and ion\$3	US-PGPUB; USPAT	AND	ON	2010/07/08 10:12
L34	241	(fluoroalkyl adj acrylate) and ion\$3	US-PGPUB; USPAT	AND	ON	2010/07/08 10:12
L35	91	L34 and (woven or nonwoven or fabric or textile)	US-PGPUB; USPAT	AND	ON	2010/07/08 10:12
L36	1	s-1072	USPAT	AND	ON	2010/07/08 10:12
L37	0	tg-kco2	USPAT	AND	ON	2010/07/08 10:12
L38	0	tg-kc02	USPAT	AND	ON	2010/07/08 10:12
L39	0	tg adj kc02	USPAT	AND	ON	2010/07/08 10:12
L40	0	tg adj kco2	USPAT	AND	ON	2010/07/08 10:12
L41	46	ionic near2 fluoropolymer	USPAT	AND	ON	2010/07/08 10:12
L42	16	non-ionic near2 fluoropolymer	USPAT	AND	ON	2010/07/08 10:12
L43	0	(fluoroalkyl adj acrylate) with zepel	US-PGPUB; USPAT	AND	ON	2010/07/08 10:12
L44	3	(fluoroalkyl adj acrylate) and zepel	US-PGPUB; USPAT	AND	ON	2010/07/08 10:12
L45	3	(fluoroalkyl adj acrylate) with anionic with cationic	US-PGPUB; USPAT	AND	ON	2010/07/08 10:12
L46	3	(fluoroalkyl adj acrylate) same anionic with cationic	US-PGPUB; USPAT	AND	ON	2010/07/08 10:12
L47	121	(fluoroalkyl adj acrylate) and anionic with cationic	US-PGPUB; USPAT	AND	ON	2010/07/08 10:12
L48	8	zepel adj "7040"	USPAT	AND	ON	2010/07/08 10:12
L49	37	zonyl adj "7040"	USPAT	AND	ON	2010/07/08 10:12
L50	0	zonyl adj "7040" with (ionic or anionic or cationic or non-ionic)	USPAT	AND	ON	2010/07/08 10:12
L51	0	repellant with antistatic with sides	USPAT	AND	OFF	2010/07/08 10:12

L52	2	repellant with antistatic with surfaces	USPAT	AND	OFF	2010/07/08 10:12
L53	0	repellant with antistatic with opposite	USPAT	AND	OFF	2010/07/08 10:12
L54	0	repellant with antistatic with different	USPAT	AND	OFF	2010/07/08 10:12
L55	1	"5145727".pn.	USPAT	AND	OFF	2010/07/08 10:12
L56	1	L55 and alcohol	USPAT	AND	OFF	2010/07/08 10:12
L57	1	L55 and antistatic	USPAT	AND	OFF	2010/07/08 10:12
L58	0	L55 and (phosphate)	USPAT	AND	OFF	2010/07/08 10:12
L59	5	antistatic with (organic near2 phosphate near2 ester)	USPAT	AND	OFF	2010/07/08 10:12
L60	8	antistatic same (organic near2 phosphate near2 ester)	USPAT	AND	OFF	2010/07/08 10:12
L61	1	"20050112970".pn.	US-PGPUB; USPAT	AND	ON	2010/07/08 10:12
L62	1	L61 and topical\$3	US-PGPUB; USPAT	AND	ON	2010/07/08 10:12
L63	1	L61 and percent\$3	US-PGPUB; USPAT	AND	ON	2010/07/08 10:12
L64	1	"6297304".pn.	USPAT	AND	ON	2010/07/08 10:12
L65	139	zepel	USPAT	AND	ON	2010/07/08 10:12
L66	16	zepel with zonyl	USPAT	AND	ON	2010/07/08 10:12
L67	16	zepel with (zonyl or telomer)	USPAT	AND	ON	2010/07/08 10:12
L68	2349	zonyl	USPAT	AND	ON	2010/07/08 10:12
L69	37	zonyl adj "7040"	USPAT	AND	ON	2010/07/08 10:12
L70	0	(zonyl adj "7040") with (ionic or nonionic or non-ionic)	USPAT	AND	ON	2010/07/08 10:12
L71	0	(zonyl adj "7040") with (zonyl adj TBC)	USPAT	AND	ON	2010/07/08 10:12

L72	0	(zonyl adj "7040") and (zonyl adj TBC)	USPAT	AND	ON	2010/07/08 10:12
L73	8	zepel adj "7040"	USPAT	AND	ON	2010/07/08 10:12
L74	375	(zepel or zonyl) with (mixture or mix\$3 or blend \$3)	USPAT	AND	ON	2010/07/08 10:12
L75	4	(zepel or zonyl) with (extrud \$3 or extrus\$3)	USPAT	AND	ON	2010/07/08 10:12
L76	1	"5145727".pn.	USPAT	AND	ON	2010/07/08 10:12
L77	1	L76 and (dr\$3)	USPAT	AND	ON	2010/07/08 10:12
L78	1	L76 and heat\$3	USPAT	AND	ON	2010/07/08 10:12
L79	1	"20050112970".pn.	US-PGPUB	AND	ON	2010/07/08 10:12
L80	1	L79 and (dry or dried)	US-PGPUB	AND	ON	2010/07/08 10:12
L81	1	"5145727".pn.	USPAT	AND	ON	2010/07/08 10:12
L82	1	L81 and (dry or dried)	USPAT	AND	ON	2010/07/08 10:12
L83	0	11 and (spunbond and meltblown and antistatic and fluoropolymer)	US-PGPUB; USPAT	AND	ON	2010/07/08 10:33
L84	26	11 and (spunbond and meltblown and antistatic)	US-PGPUB; USPAT	AND	ON	2010/07/08 10:33
L85	17	11 and (spunbond and meltblown and antistatic and fluoropolymer)	US-PGPUB; USPAT	AND	ON	2010/07/08 10:34
L86	5	11 and (spunbond and meltblown and antistatic and fluoropolymer and (phosphate adj ester))	US-PGPUB; USPAT	AND	ON	2010/07/08 10:34
S1	1	"4041203".pn.	USPAT	AND	ON	2006/07/06 11:25
S2	1	"5169706".pn.	USPAT	AND	ON	2005/11/08 11:37
S3	1	"5145727".pn.	USPAT	AND	ON	2005/11/08 11:37
S4	1	"5178931".pn.	USPAT	AND	ON	2005/11/08 11:37
S5	1	"5188885".pn.	USPAT	AND	ON	2005/11/08 11:37

S6	5	S1 or S2 or S3 or S4 or S5	USPAT	AND	ON	2005/11/08 11:37
S7	0	(non-ionic or (non adj ionic)) adj fluoroalkyl adj acrylate	USPAT	AND	ON	2005/11/08 11:51
S8	8	(hue same snowden).in.	US- PGPUB; USPAT	AND	ON	2005/11/08 11:48
S9	156	(michael same powers).in.	US- PGPUB; USPAT	AND	ON	2005/11/08 11:50
S11	10	(phillip same schorr).in.	US- PGPUB; USPAT	AND	ON	2005/11/08 11:50
S12	165	S8 or S9 or S11	US- PGPUB; USPAT	AND	ON	2005/11/08 11:50
S13	1	(non-ionic or (non adj ionic)) adj fluoroalkyl adj acrylate	US- PGPUB; USPAT	AND	ON	2005/11/08 11:51
S14	5	(fluoroalkyl adj acrylate) with ion\$3	US- PGPUB; USPAT	AND	ON	2005/11/08 14:02
S15	392	UNIDYNE	US- PGPUB; USPAT	AND	ON	2005/11/08 11:57
S16	0	UNIDYNEsame KC-O2	US- PGPUB; USPAT	AND	ON	2005/11/08 11:57
S17	0	UNIDYNE same KC-O2	US- PGPUB; USPAT	AND	ON	2005/11/08 11:57
S18	0	UNIDYNE same KC-02	US- PGPUB; USPAT	AND	ON	2005/11/08 11:57
S19	56	UNIDYNE adj TG	US- PGPUB; USPAT	AND	ON	2005/11/08 11:58
S20	0	UNIDYNE with S-1072	US- PGPUB; USPAT	AND	ON	2005/11/08 11:58
S23	0	(fluoroalkylacrylate) with ion \$3	US- PGPUB; USPAT	AND	ON	2005/11/08 14:02
S24	0	(fluoroalkyl-acrylate) with ion\$3	US- PGPUB; USPAT	AND	ON	2005/11/08 14:02

S25	5	(fluoroalkyl adj acrylate) with ion\$3	US- PGPUB; USPAT	AND	ON	2005/11/08 14:04
S26	0	(pfaa) with ion\$3	US- PGPUB; USPAT	AND	ON	2005/11/08 14:04
S27	149	(fluoroalkyl adj acrylate) and ion\$3	US- PGPUB; USPAT	AND	ON	2005/11/08 14:09
S28	6	(fluoroalkyl adj acrylate) same ion\$3	US- PGPUB; USPAT	AND	ON	2005/11/08 15:45
S29	36849	non adj ionic	USPAT	AND	ON	2005/11/08 15:40
S30	4266	(non adj ionic) with polymer	USPAT	AND	ON	2005/11/08 15:40
S31	1549	(non adj ionic) near2 polymer	USPAT	AND	ON	2005/11/08 15:41
S32	126	scotchguard	USPAT	AND	ON	2005/11/08 15:41
S33	15	scotchguard and ((non adj ionic) or ion\$3)	USPAT	AND	ON	2005/11/08 15:41
S34	0	(fluoro adj alkyl adj acrylate) same ion\$3	US- PGPUB; USPAT	AND	ON	2005/11/08 15:46
S35	16	(fluoro adj alkyl adj acrylate)	US- PGPUB; USPAT	AND	ON	2005/11/08 15:46
S36	11	(fluoro adj alkyl adj acrylate) and ion\$3	US- PGPUB; USPAT	AND	ON	2005/11/08 15:46
S37	149	(fluoroalkyl adj acrylate) and ion\$3	US- PGPUB; USPAT	AND	ON	2005/11/08 17:05
S38	57	S37 and (woven or nonwoven or fabric or textile)	US- PGPUB; USPAT	AND	ON	2005/11/08 16:15
S39	1	s-1072	USPAT	AND	ON	2005/11/08 16:59
S40	0	tg-kco2	USPAT	AND	ON	2005/11/08 16:59
S41	0	tg-kc02	USPAT	AND	ON	2005/11/08 16:59
S42	0	tg adj kc02	USPAT	AND	ON	2005/11/08 16:59
S43	0	tg adj kco2	USPAT	AND	ON	2005/11/08 16:59

S44	25	ionic near2 fluoropolymer	USPAT	AND	ON	2005/11/08 17:01
S45	5	non-ionic near2 fluoropolymer	USPAT	AND	ON	2005/11/08 17:01
S46	0	(fluoroalkyl adj acrylate) with zepel	US-PGPUB; USPAT	AND	ON	2005/11/09 08:52
S47	3	(fluoroalkyl adj acrylate) and zepel	US-PGPUB; USPAT	AND	ON	2005/11/08 17:05
S48	3	(fluoroalkyl adj acrylate) with anionic with cationic	US-PGPUB; USPAT	AND	ON	2005/11/09 08:53
S49	3	(fluoroalkyl adj acrylate) same anionic with cationic	US-PGPUB; USPAT	AND	ON	2005/11/09 08:53
S50	73	(fluoroalkyl adj acrylate) and anionic with cationic	US-PGPUB; USPAT	AND	ON	2005/11/09 08:53
S51	8	zepel adj "7040"	USPAT	AND	ON	2005/11/09 08:57
S52	29	zonyl adj "7040"	USPAT	AND	ON	2005/11/09 08:58
S53	0	zonyl adj "7040" with (ionic or anionic or cationic or non-ionic)	USPAT	AND	ON	2005/11/09 08:58
S54	0	repellant with antistatic with sides	USPAT	AND	OFF	2005/11/09 09:15
S55	2	repellant with antistatic with surfaces	USPAT	AND	OFF	2005/11/09 09:15
S56	0	repellant with antistatic with opposite	USPAT	AND	OFF	2005/11/09 09:15
S57	0	repellant with antistatic with different	USPAT	AND	OFF	2005/11/09 10:00
S58	1	"5145727".pn.	USPAT	AND	OFF	2005/11/09 10:01
S59	1	S58 and alcohol	USPAT	AND	OFF	2005/11/09 10:24
S60	1	S58 and antistatic	USPAT	AND	OFF	2005/11/09 10:25
S61	0	S58 and (phosphate)	USPAT	AND	OFF	2005/11/09 10:25
S62	4	antistatic with (organic near2 phosphate near2 ester)	USPAT	AND	OFF	2005/11/09 10:26



S63	7	antistatic same (organic near2 phosphate near2 ester)	USPAT	AND	OFF	2005/11/09 10:26
S64	1	"20050112970".pn.	US-PGPUB; USPAT	AND	ON	2006/07/06 11:25
S65	1	S64 and topical\$3	US-PGPUB; USPAT	AND	ON	2006/07/06 12:04
S66	1	S64 and percent\$3	US-PGPUB; USPAT	AND	ON	2006/07/06 12:04
S67	1	"6297304".pn.	USPAT	AND	ON	2007/01/04 11:34
S68	138	zepel	USPAT	AND	ON	2007/01/04 13:52
S69	16	zepel with zonyl	USPAT	AND	ON	2007/01/04 13:35
S70	16	zepel with (zonyl or telomer)	USPAT	AND	ON	2007/01/04 13:54
S71	1935	zonyl	USPAT	AND	ON	2007/01/04 13:46
S72	29	zonyl adj "7040"	USPAT	AND	ON	2007/01/04 13:47
S73	0	(zonyl adj "7040") with (ionic or nonionic or non-ionic)	USPAT	AND	ON	2007/01/04 13:47
S74	0	(zonyl adj "7040") with (zonyl adj TBC)	USPAT	AND	ON	2007/01/04 13:48
S75	0	(zonyl adj "7040") and (zonyl adj TBC)	USPAT	AND	ON	2007/01/04 13:48
S76	8	zepel adj "7040"	USPAT	AND	ON	2007/01/04 13:52
S77	320	(zepel or zonyl) with (mixture or mix\$3 or blend \$3)	USPAT	AND	ON	2007/01/04 13:55
S78	4	(zepel or zonyl) with (extrud \$3 or extrus\$3)	USPAT	AND	ON	2007/01/04 13:56
S79	1	"5145727".pn.	USPAT	AND	ON	2007/06/06 15:30
S80	1	S79 and (dr\$3)	USPAT	AND	ON	2007/06/06 15:31
S81	1	S79 and heat\$3	USPAT	AND	ON	2007/06/06 15:31
S82	1	"20050112970".pn.	US-PGPUB	AND	ON	2007/09/20 09:44

S83	1	S82 and (dry or dried)	US-PGPUB	AND	ON	2007/09/20 09:44
S84	1	"5145727".pn.	USPAT	AND	ON	2007/09/20 09:45
S85	1	S84 and (dry or dried)	USPAT	AND	ON	2007/09/20 09:45

**EAST Search History (I nterference)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L88	2	(spunbond and meltblown and antistatic and fluoropolymer and (phosphate adj ester)). clm.	US-PGPUB; USPAT; UPAD	AND	ON	2010/07/08 10:36
L89	4	(antistatic and fluoropolymer and (phosphate adj ester)). clm.	US-PGPUB; USPAT; UPAD	AND	ON	2010/07/08 10:37
L90	5	(antistatic and nonwoven and (phosphate adj ester)). clm.	US-PGPUB; USPAT; UPAD	AND	ON	2010/07/08 10:38

**7/ 8/ 10 10:38:40 AM****C:\ Documents and Settings\ apiziali\ My Documents\ EAST\ Workspaces\ 10723408.wsp**